

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050622\
 Data File : VD072878.D
 Acq On : 07 May 2022 05:21
 Operator : VA/SY
 Sample : N2703-07
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-29D

Quant Time: May 09 01:20:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

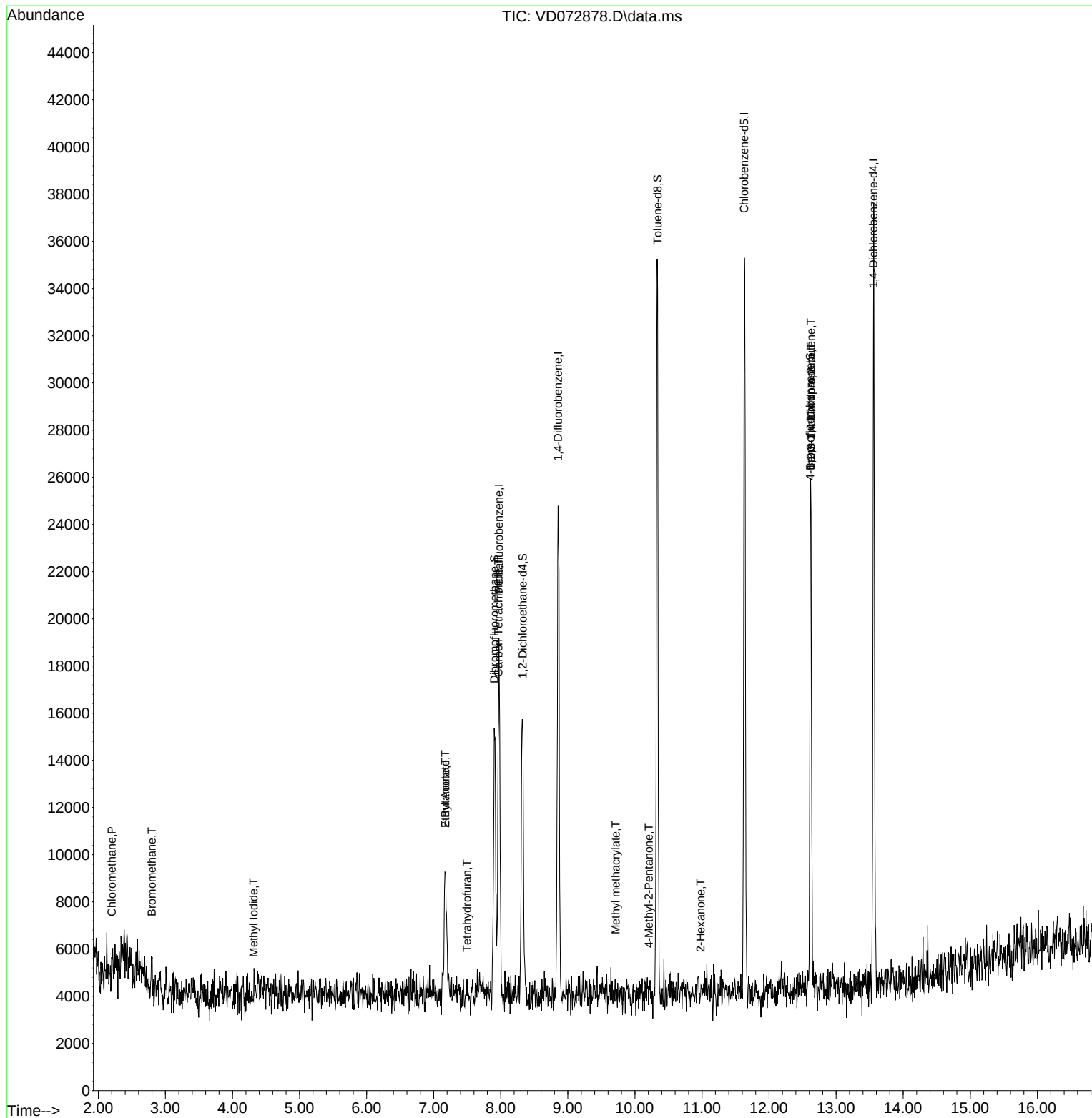
Internal Standards						
1) Pentafluorobenzene	7.973	168	11055	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	18490	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	18617	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	7623	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	9716	67.706	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 135.420%			
35) Dibromofluoromethane	7.902	113	7750	59.681	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 119.360%			
50) Toluene-d8	10.338	98	20833	44.724	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 89.440%			
62) 4-Bromofluorobenzene	12.614	95	7476	43.043	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 86.080%			
Target Compounds			Qvalue			
3) Chloromethane	2.203	50	499	3.141	ug/l #	40
5) Bromomethane	2.797	94	752	7.256	ug/l #	48
10) Methyl Iodide	4.314	142	509	3.422	ug/l #	53
16) Acetone	4.150	43	356	Below Cal	#	47
20) Methylene Chloride	4.961	84	250	Below Cal	#	1
25) 2-Butanone	7.173	43	197	4.712	ug/l #	52
29) Tetrahydrofuran	7.497	42	54	2.026	ug/l #	38
37) Ethyl Acetate	7.173	43	197	2.030	ug/l #	1
38) Carbon Tetrachloride	7.967	117	1281	5.844	ug/l #	13
48) Methyl methacrylate	9.714	41	115	1.312	ug/l #	19
51) 4-Methyl-2-Pentanone	10.208	43	410	4.404	ug/l #	39
59) 2-Hexanone	10.979	43	67	1.070	ug/l #	27
76) 1,2,3-Trichloropropane	12.626	75	4566	53.717	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	4566	123.527	ug/l #	7

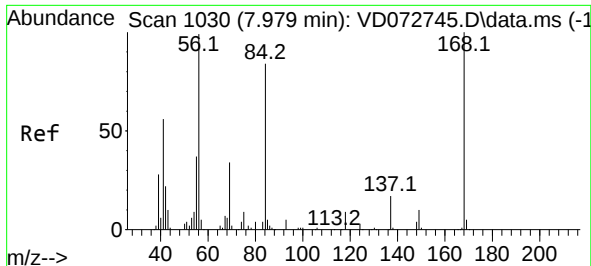
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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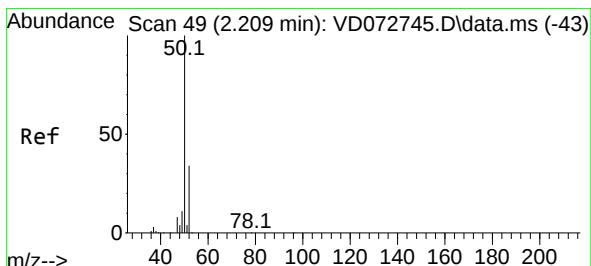
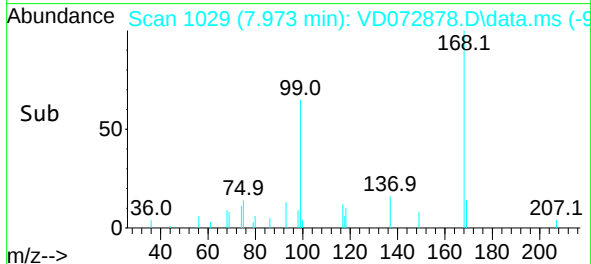
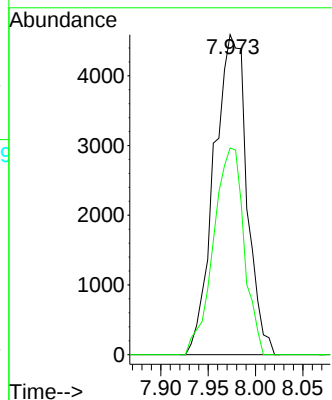
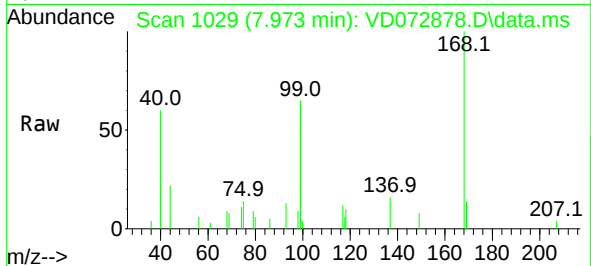




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072878.D
Acq: 07 May 2022 05:21

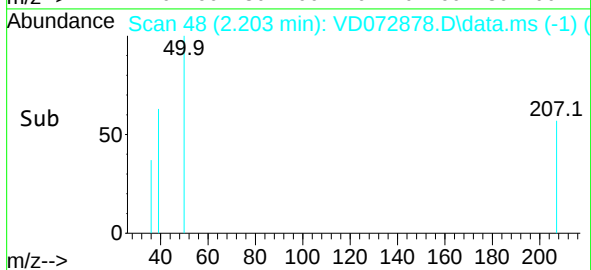
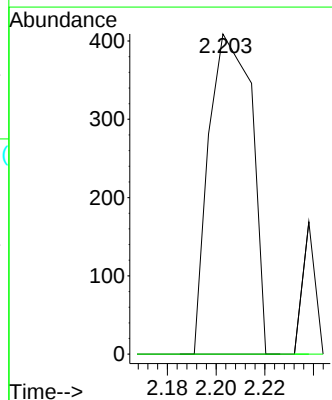
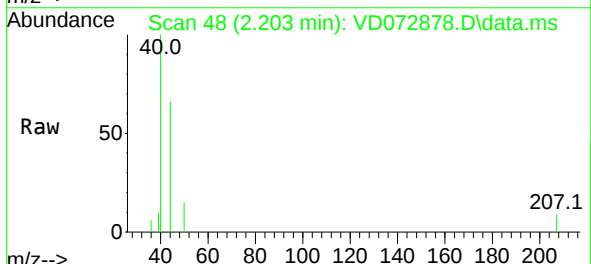
Instrument :
MSVOA_D
ClientSampleId :
MH-29D

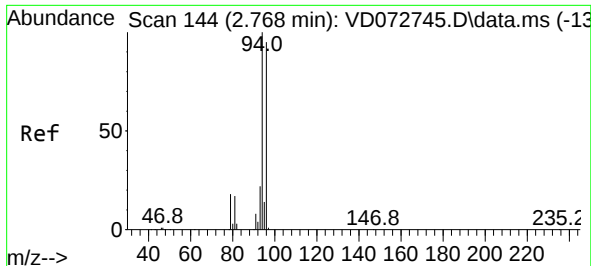
Tgt Ion:168 Resp: 11055
Ion Ratio Lower Upper
168 100
99 64.6 49.8 74.6



#3
Chloromethane
Concen: 3.141 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD072878.D
Acq: 07 May 2022 05:21

Tgt Ion: 50 Resp: 499
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

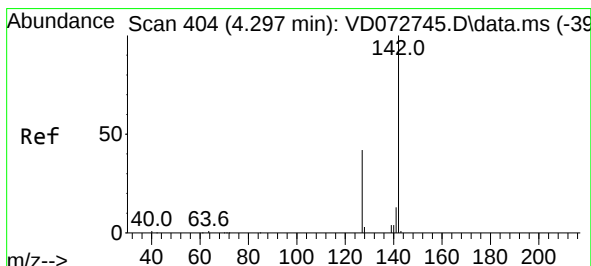
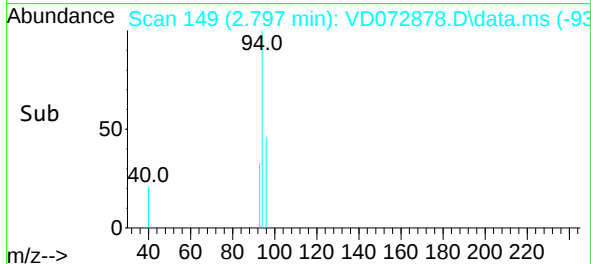
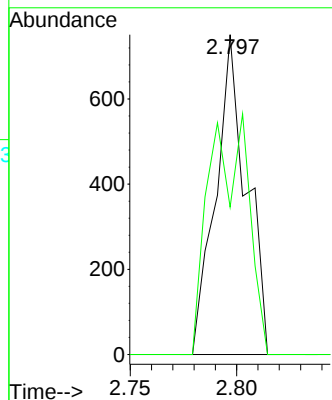
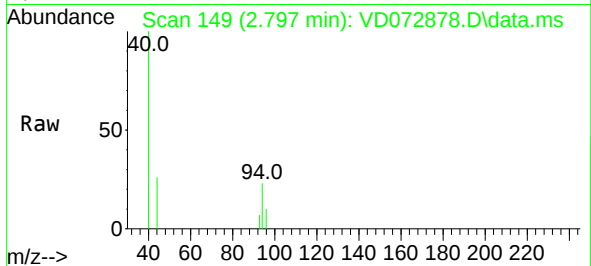




#5
Bromomethane
Concen: 7.256 ug/l
RT: 2.797 min Scan# 144
Delta R.T. 0.029 min
Lab File: VD072878.D
Acq: 07 May 2022 05:21

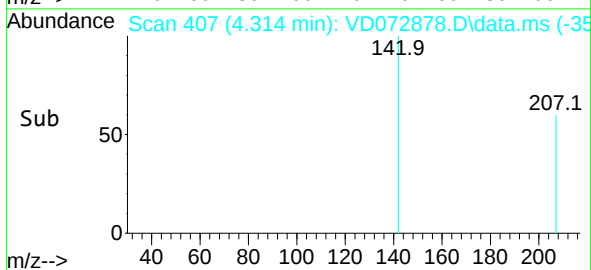
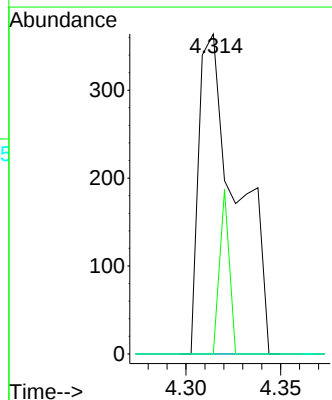
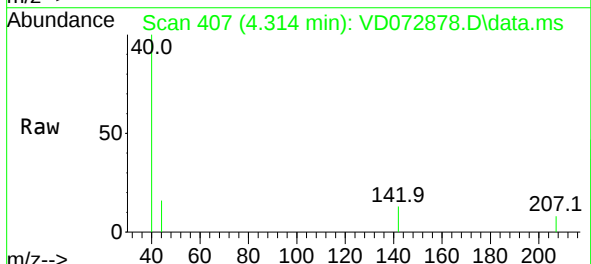
Instrument :
MSVOA_D
ClientSampleId :
MH-29D

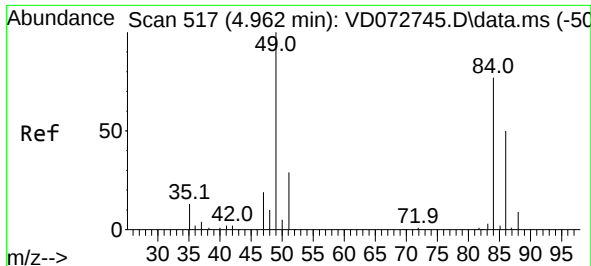
Tgt Ion: 94 Resp: 752
Ion Ratio Lower Upper
94 100
96 46.1 77.6 116.4#



#10
Methyl Iodide
Concen: 3.422 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.017 min
Lab File: VD072878.D
Acq: 07 May 2022 05:21

Tgt Ion: 142 Resp: 509
Ion Ratio Lower Upper
142 100
127 13.0 37.3 55.9#
141 0.0 11.7 17.5#

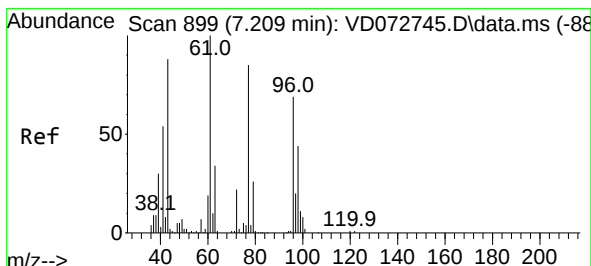
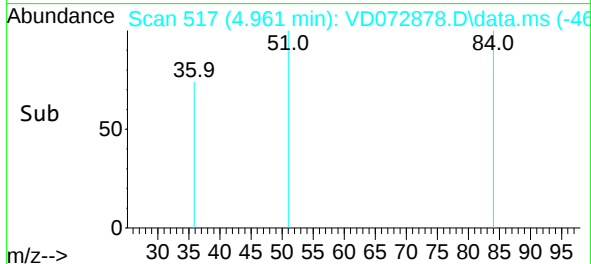
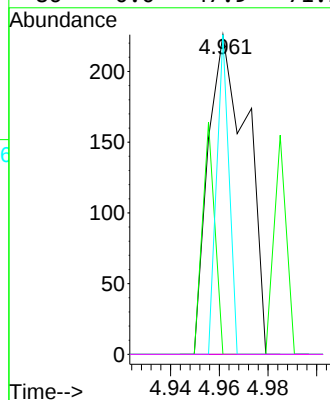
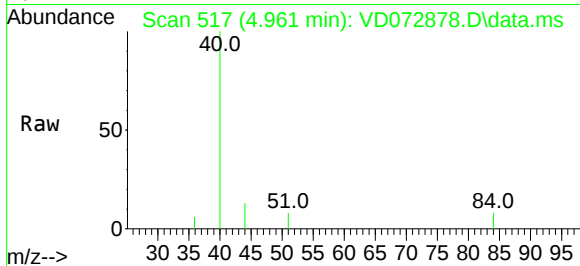




#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD072878.D
Acq: 07 May 2022 05:21

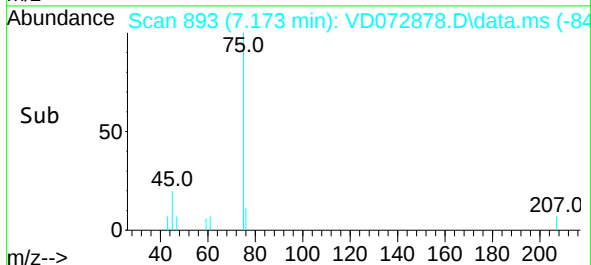
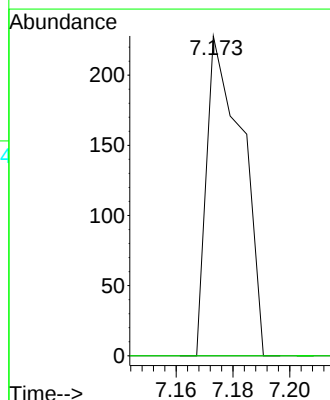
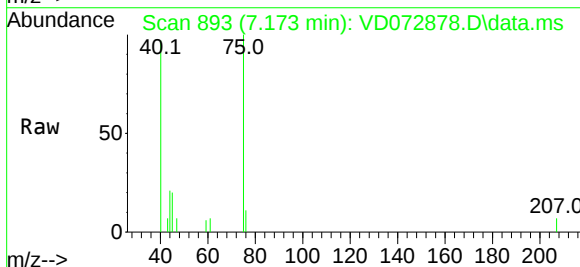
Instrument :
MSVOA_D
ClientSampleId :
MH-29D

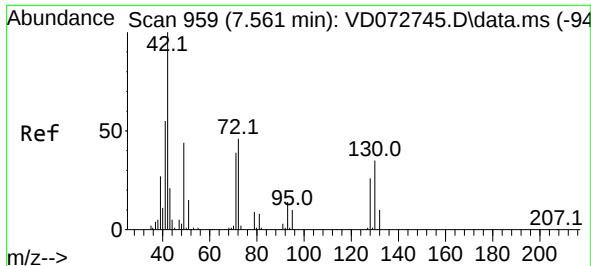
Tgt Ion: 84	Resp: 250
Ion Ratio	Lower Upper
84 100	
49 0.0	112.8 169.2#
51 100.0	32.6 48.8#
86 0.0	47.9 71.9#



#25
2-Butanone
Concen: 4.712 ug/l
RT: 7.173 min Scan# 893
Delta R.T. -0.036 min
Lab File: VD072878.D
Acq: 07 May 2022 05:21

Tgt Ion: 43	Resp: 197
Ion Ratio	Lower Upper
43 100	
72 0.0	18.6 27.8#





#29

Tetrahydrofuran

Concen: 2.026 ug/l

RT: 7.497 min Scan# 94

Delta R.T. -0.064 min

Lab File: VD072878.D

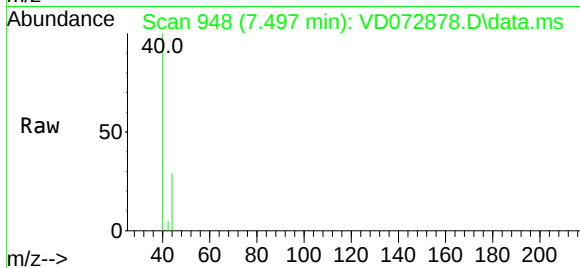
Acq: 07 May 2022 05:21

Instrument :

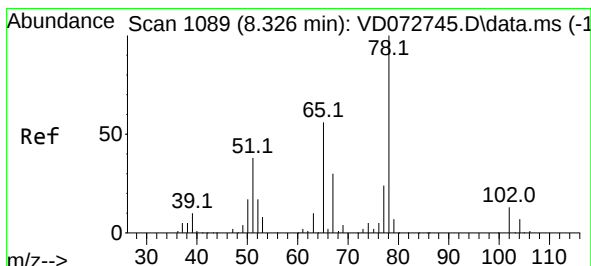
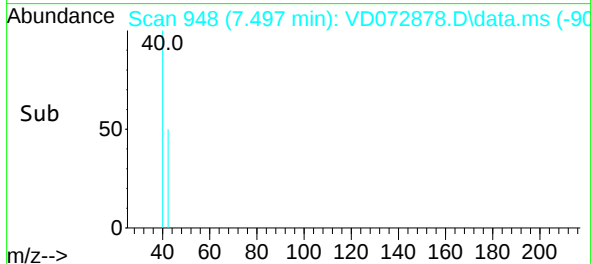
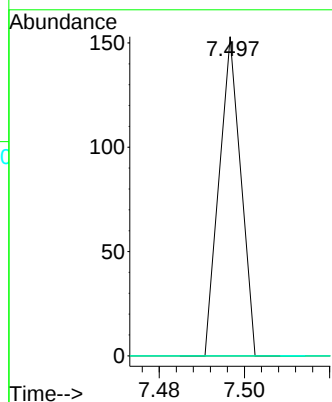
MSVOA_D

ClientSampleId :

MH-29D



Tgt Ion:	42	Resp:	54
Ion Ratio	Lower	Upper	
42	100		
72	0.0	30.7	46.1#
71	0.0	28.6	43.0#



#33

1,2-Dichloroethane-d4

Concen: 67.706 ug/l

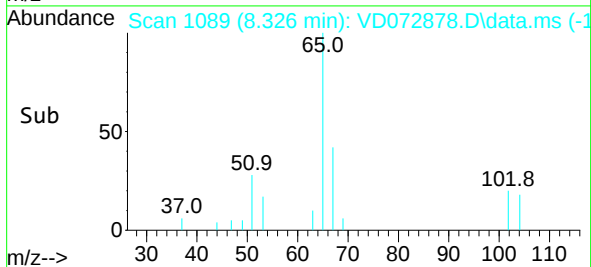
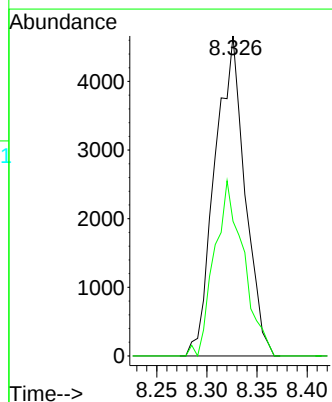
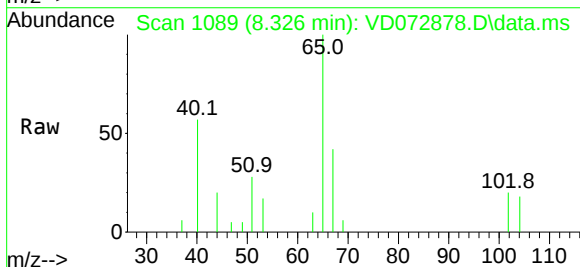
RT: 8.326 min Scan# 1089

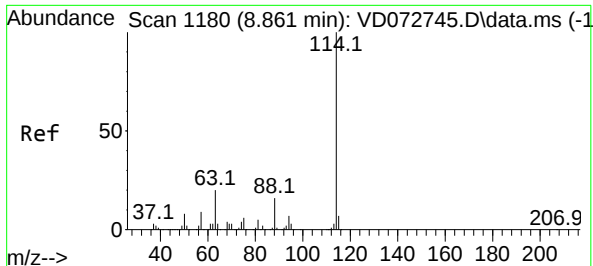
Delta R.T. -0.000 min

Lab File: VD072878.D

Acq: 07 May 2022 05:21

Tgt Ion:	65	Resp:	9716
Ion Ratio	Lower	Upper	
65	100		
67	53.3	0.0	101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD072878.D

Acq: 07 May 2022 05:21

Instrument :

MSVOA_D

ClientSampleId :

MH-29D

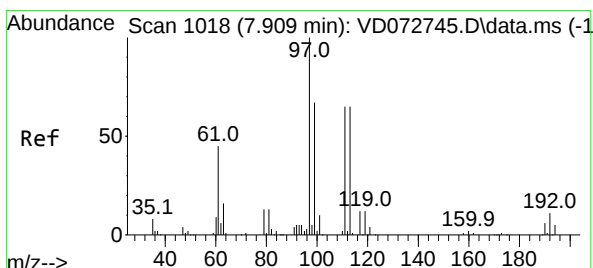
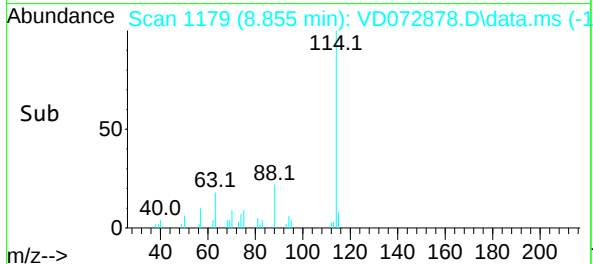
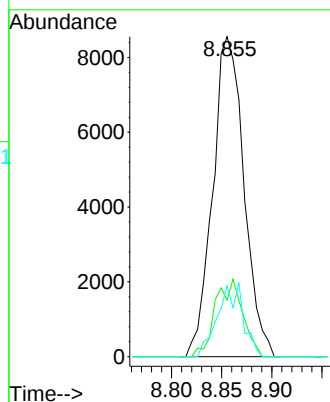
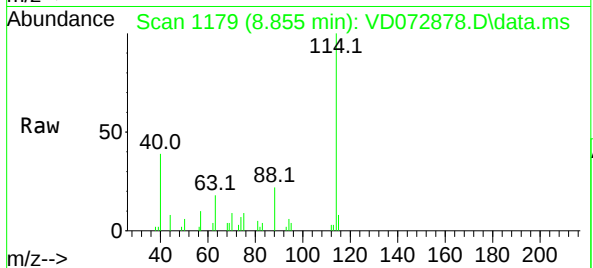
Tgt Ion:114 Resp: 18490

Ion Ratio Lower Upper

114 100

63 17.7 0.0 46.6

88 22.1 0.0 33.2



#35

Dibromofluoromethane

Concen: 59.681 ug/l

RT: 7.902 min Scan# 1017

Delta R.T. -0.007 min

Lab File: VD072878.D

Acq: 07 May 2022 05:21

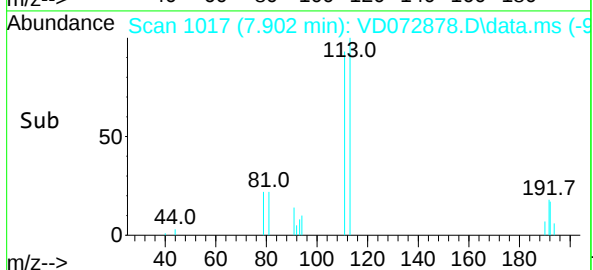
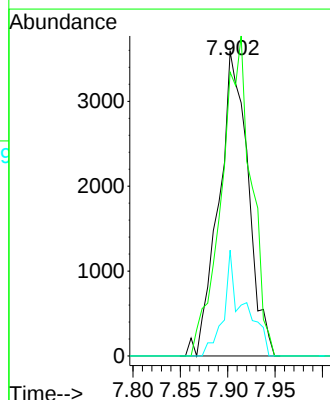
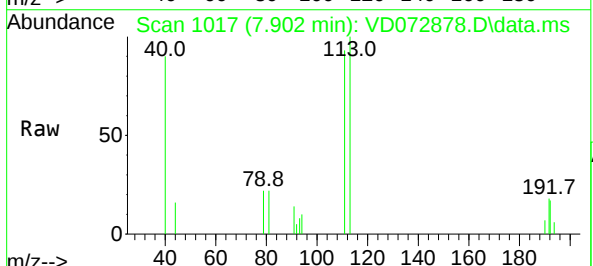
Tgt Ion:113 Resp: 7750

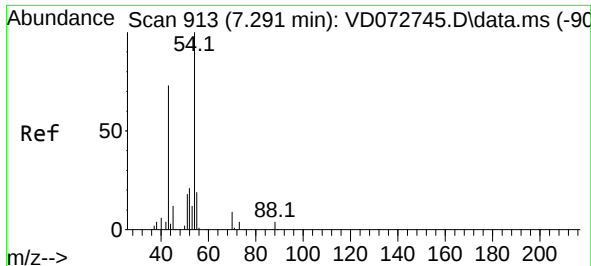
Ion Ratio Lower Upper

113 100

111 106.7 83.8 125.6

192 23.8 14.6 21.8#





#37

Ethyl Acetate

Concen: 2.030 ug/l

RT: 7.173 min Scan# 89

Delta R.T. -0.118 min

Lab File: VD072878.D

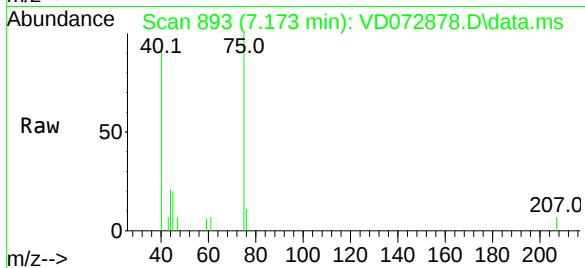
Acq: 07 May 2022 05:21

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MSVOA_D

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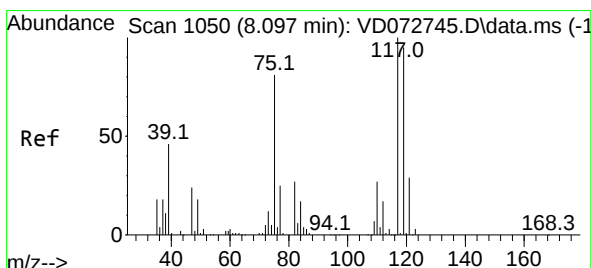
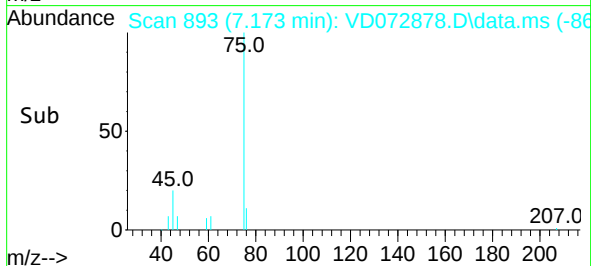
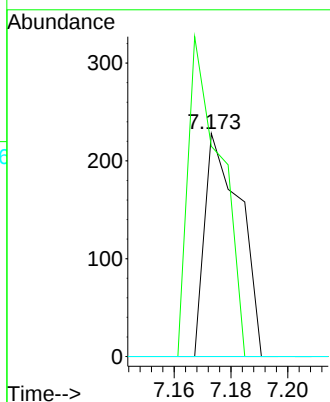
Tgt Ion: 43 Resp: 197

Ion Ratio Lower Upper

43 100

61 132.0 9.8 14.8#

70 0.0 6.9 10.3#



#38

Carbon Tetrachloride

Concen: 5.844 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.130 min

Lab File: VD072878.D

Acq: 07 May 2022 05:21

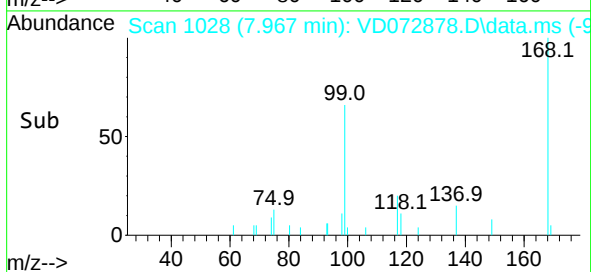
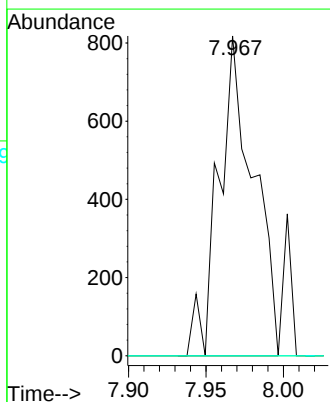
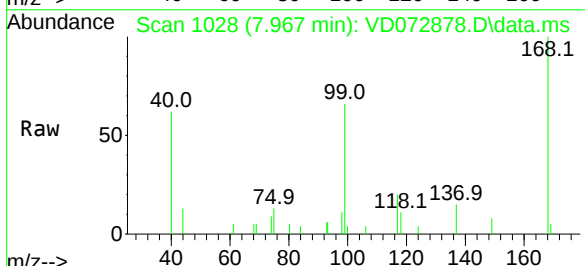
Tgt Ion: 117 Resp: 1281

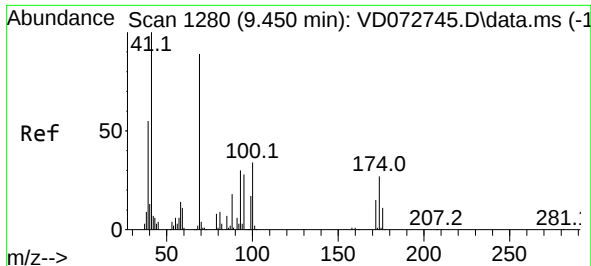
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 24.5 36.7#

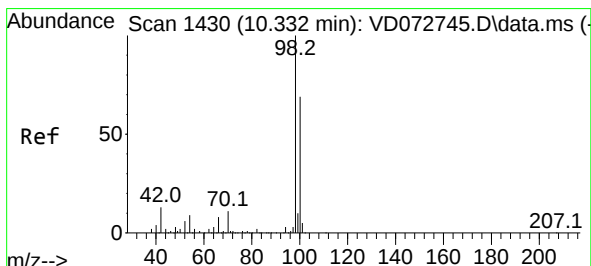
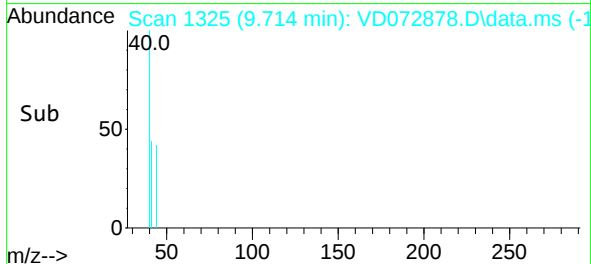
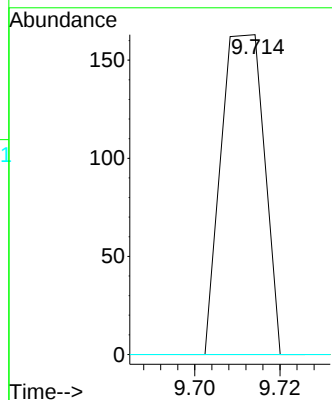
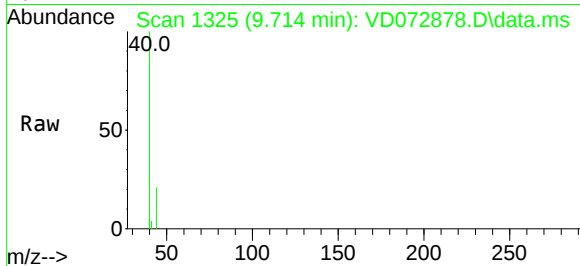




#48
Methyl methacrylate
Concen: 1.312 ug/l
RT: 9.714 min Scan# 115
Delta R.T. 0.264 min
Lab File: VD072878.D
Acq: 07 May 2022 05:21

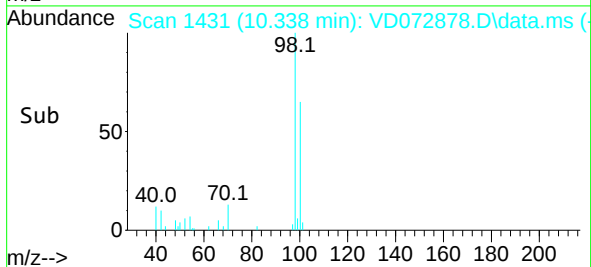
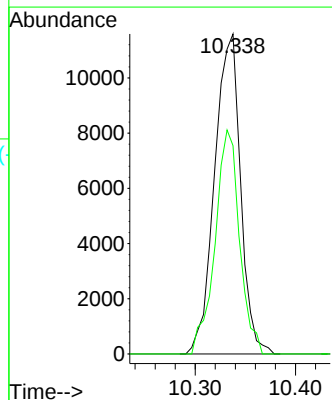
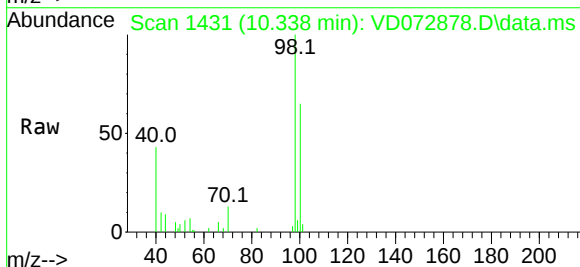
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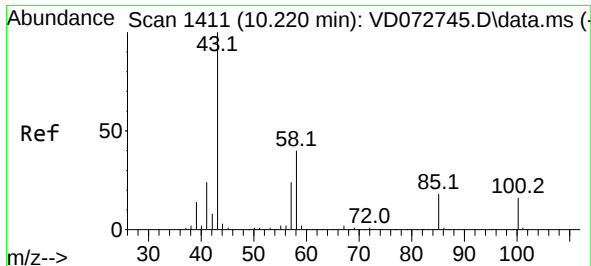
Tgt Ion: 41 Resp: 115
Ion Ratio Lower Upper
41 100
69 0.0 56.7 85.1#
39 0.0 42.7 64.1#



#50
Toluene-d8
Concen: 44.724 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD072878.D
Acq: 07 May 2022 05:21

Tgt Ion: 98 Resp: 20833
Ion Ratio Lower Upper
98 100
100 66.1 52.4 78.6

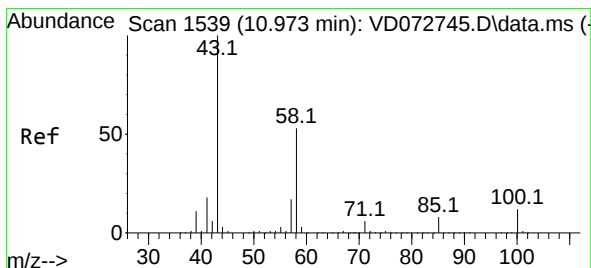
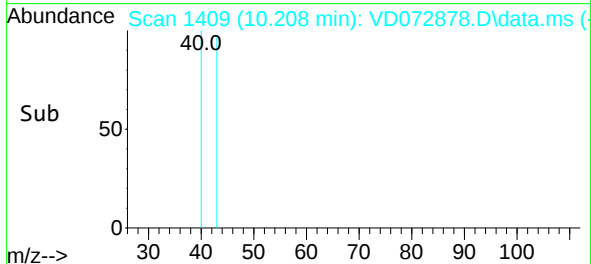
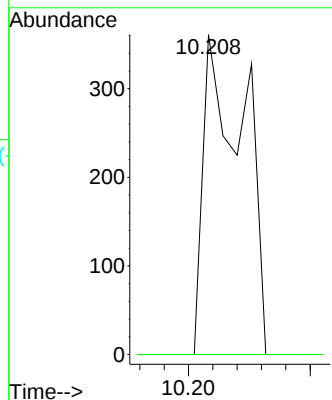
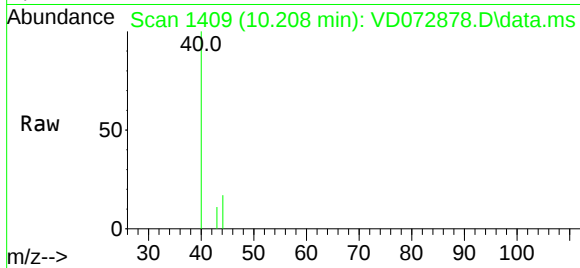




#51
4-Methyl-2-Pentanone
Concen: 4.404 ug/l
RT: 10.208 min Scan# 1411
Delta R.T. -0.012 min
Lab File: VD072878.D
Acq: 07 May 2022 05:21

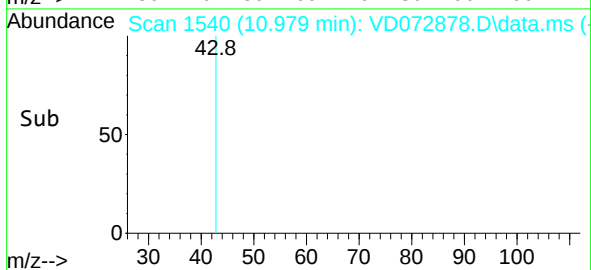
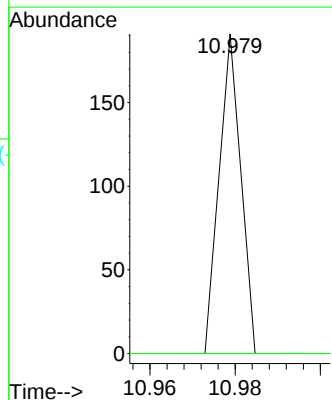
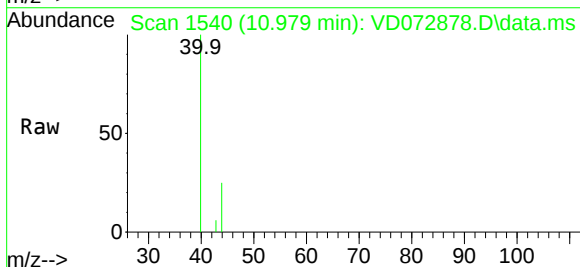
Instrument :
MSVOA_D
ClientSampleId :
MH-29D

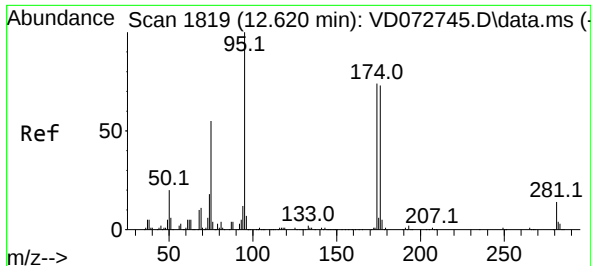
Tgt Ion: 43 Resp: 410
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#



#59
2-Hexanone
Concen: 1.070 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. 0.006 min
Lab File: VD072878.D
Acq: 07 May 2022 05:21

Tgt Ion: 43 Resp: 67
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#

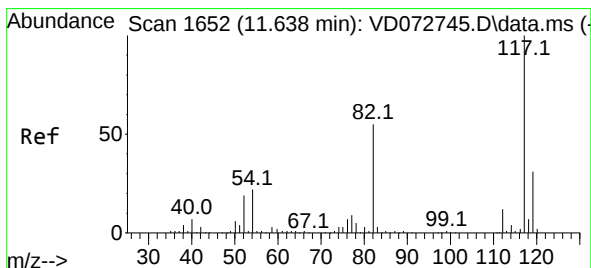
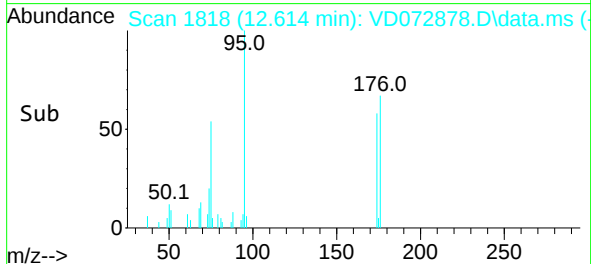
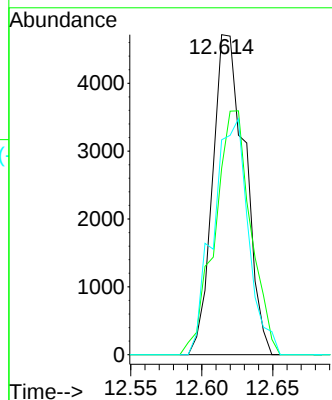
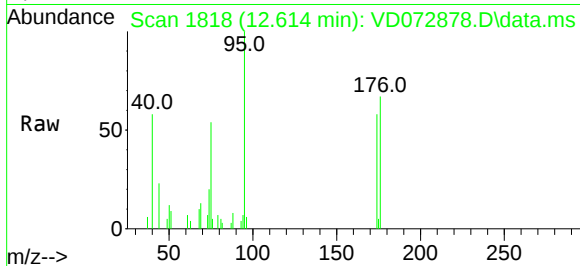




#62
4-Bromofluorobenzene
Concen: 43.043 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.006 min
Lab File: VD072878.D
Acq: 07 May 2022 05:21

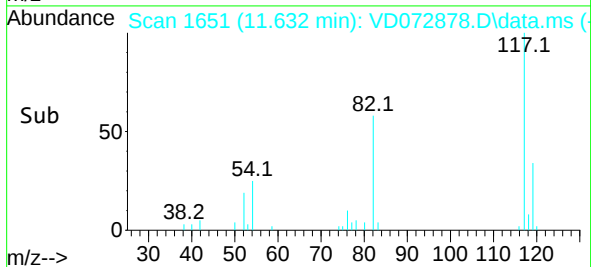
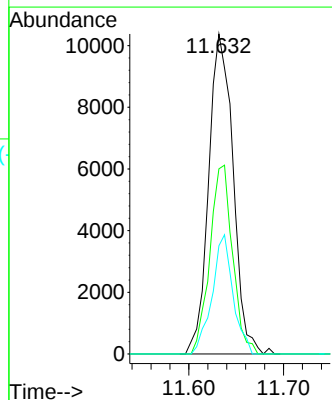
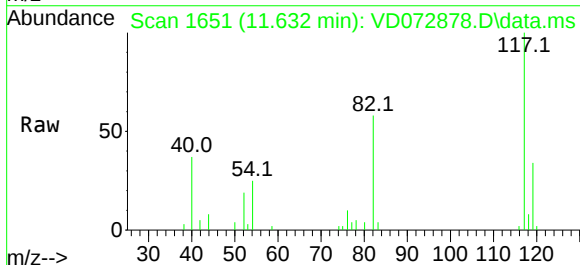
Instrument :
MSVOA_D
ClientSampleId :
MH-29D

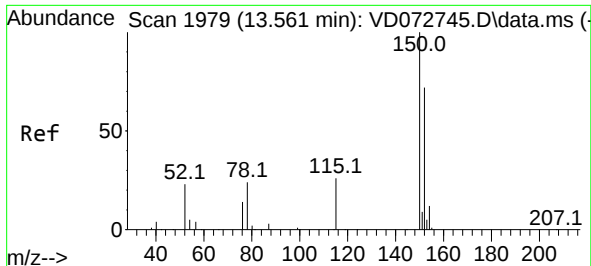
Tgt Ion: 95 Resp: 7476
Ion Ratio Lower Upper
95 100
174 84.9 0.0 152.8
176 80.4 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD072878.D
Acq: 07 May 2022 05:21

Tgt Ion: 117 Resp: 18617
Ion Ratio Lower Upper
117 100
82 57.8 45.3 67.9
119 33.8 26.6 40.0

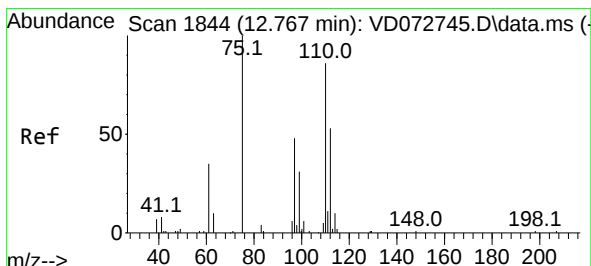
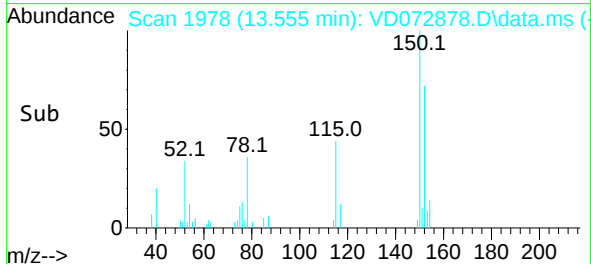
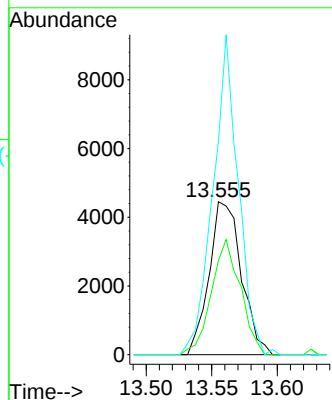
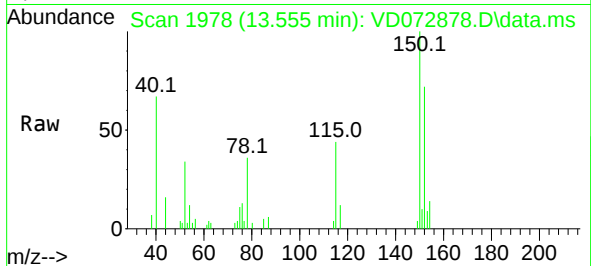




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072878.D
Acq: 07 May 2022 05:21

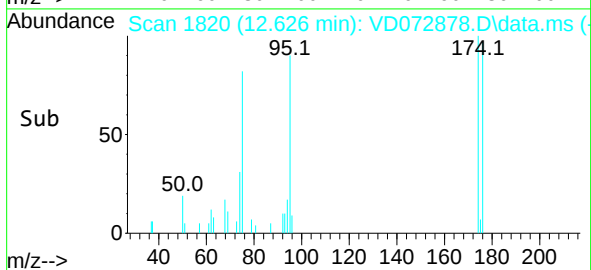
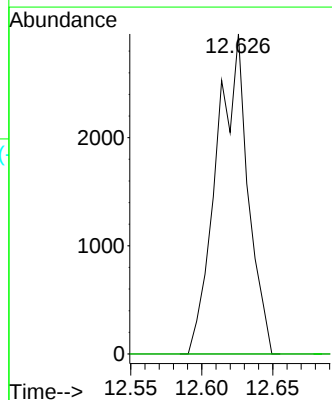
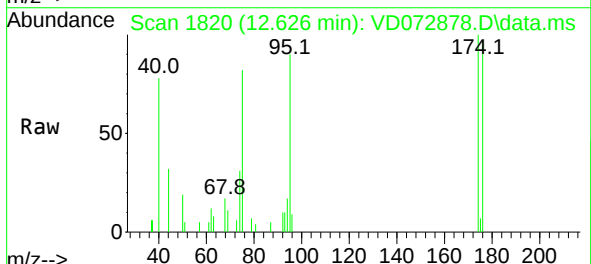
Instrument :
MSVOA_D
ClientSampleId :
MH-29D

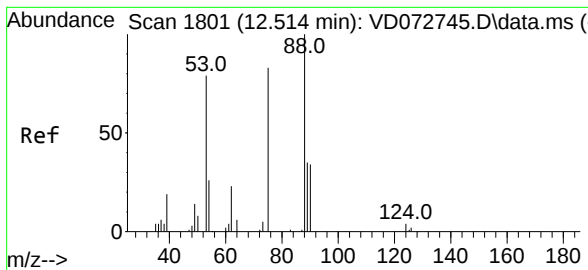
Tgt Ion:152 Resp: 7623
Ion Ratio Lower Upper
152 100
115 67.8 31.3 93.8
150 164.2 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 53.717 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.141 min
Lab File: VD072878.D
Acq: 07 May 2022 05:21

Tgt Ion: 75 Resp: 4566
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.527 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VD072878.D
 Acq: 07 May 2022 05:21

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-29D

Tgt Ion: 75 Resp: 4566
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.0 33.9 50.9#

